

REMARKS

Claims 1-36 are pending. Claims 1-10, 13-22 and 25-34 are allowed. Claims 11, 12, 23, 24, 35 and 36 are amended. No new matter is added. The Examiner rejected claims 11, 12, 23, 24, 35 and 36 under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,929,866 ("Arnold") in view U.S. Patent No. 5,943,063 ("Dowling"). The applicant respectfully traverses the rejections and requests reconsideration in view of the amendments and remarks herein.

The § 103 Rejections

Claims 11 and 12

Claim 11, as amended, reads as follows:

A computer-implemented method, comprising:
 receiving a plurality of glyphs to be rendered, where each glyph includes a respective glyph outline;
 for each glyph, using a scaled stem width of the glyph to select a rendering policy for rendering the glyph, where a rendering policy comprises a plurality of parameters for rendering the glyph including a hinting policy, and modifying the glyph outline in accordance with the hinting policy included in the selected rendering policy to generate a modified glyph outline; and
 rasterizing the modified glyph outline and generating a representation of the glyph from the rasterized modified glyph outline in accordance with the selected rendering policy for presentation on a display device.

The Examiner relies on Arnold as "using a scaled stem width of the glyph to select a rendering policy for the glyph" (see Office Action, p. 3). The Examiner relies on Dowling to show that a rendering policy includes a hinting policy.

Claim 11, as amended, requires that the rendering policy include a hinting policy and that a glyph outline for a glyph be modified in accordance with the hinting policy. The modified glyph outline is then rasterized. Clearly this is not taught by Arnold. Arnold shows using a scaled stroke width to calculate an index; adjusted density values are then determined based on the index. Determining an adjusted density value is in no way a disclosure of determining a

rendering policy and then modifying a glyph outline in accordance with a hinting policy included in said rendering policy.

However, the Examiner does not assert that Arnold shows selecting a rendering policy that includes a hinting policy, where said selection is based on a scaled stem width. Rather, the Examiner relies on Dowling in this regard. The Examiner asserts that Dowling describes a hinting policy. The applicant does not dispute that Dowling may describe a hinting policy; hinting is not new. What is new however, and what is not disclosed by either reference, is selecting a hinting policy (or more accurately, selecting a rendering policy that includes a hinting policy) based on a scaled stem width of a glyph.

Although this is not disclosed by either reference, the Examiner makes the bald assertion that it would have been obvious “to improve Arnold’s system by applying a hinting policy at certain adjust [*sic*] density values” (See Office Action, p. 5). Specifically, the Examiner states:

The improvement in Arnold’s system would be to apply a certain rendering [*sic*] policy with hints to the adjusted density value of “16” by hinting adjacent pixels next to the pixel value with an adjust [*sic*] density value of “16”. Hinting policy can be applied to any other adjusted density value besides “16”.

The applicant respectfully submits that the Examiner has misunderstood the meaning of a hinting policy and what it means to “hint”. Hinting, as the term is used in the art, is clearly described in the Background section of the present application, in particular at p. 1, line 24 through p. 2 line 5. Hinting is a term describing the modifying of a glyph outline. That is, the glyph outline can be modified until the desired combination of pixels are turned on to represent the glyph. The modified outline can be referred to as a hinted outline. The Examiner’s statements above as to how Arnold can be improved do not make sense in view of the well known definition in the art of hinting (which definition is included in the specification). The Examiner refers to “hinting adjacent pixels” and states that a “hinting policy can be applied to any other adjusted density value”. Pixels are not hinted; glyph outlines are hinted. Hinting policies are not applied to adjusted density values; hinting policies are applied to hint a glyph outline and thereby modify the glyph outline.

Claims 11 and 12 have been amended to clarify what the hinting policy is and how it is used in the rasterizing process to generate a representation of the glyph. Neither reference discloses selecting a rendering policy that includes a hinting policy based on a scaled stem width and modifying a glyph outline in accordance with the hinting policy included in the selected rendering policy. The applicant respectfully submits that claims 11 and 12 as amended are therefore allowable over Arnold in view of Dowling.

Claims 23 and 24

Claims 23 and 24 recite a computer-readable medium encoded with a computer program comprising instructions to cause a programmable processor to carry out certain functions. The functions include using a scaled stem width to select a rendering policy including a plurality of parameters for rendering a glyph including a hinting policy and modifying a glyph outline in accordance with the hinting policy. For at least the reasons discussed above in reference to claim 11, the limitations of claim 23 are not disclosed or suggested by Arnold or Dowling either alone or in combination. Claim 23 and claim 24 which depends therefrom are therefore in condition for allowance.

Claims 35 and 36

Claim 35 recites a system including a means for using a scaled stem width to select a rendering policy including a plurality of parameters for rendering a glyph including a hinting policy and a means for modifying a glyph outline in accordance with the hinting policy. For at least the reasons discussed above in reference to claim 11, the limitations of claim 35 are not disclosed or suggested by Arnold or Dowling either alone or in combination. Claim 35 and claim 36 which depends therefrom are therefore in condition for allowance.

The Allowed Claims

The applicant thanks the Examiner for finding claims 1-19, 13-22 and 25-34 in condition for allowance.

Applicant : Arnold, et al.
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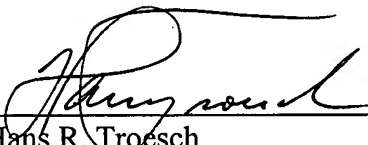
Conclusion

By responding in the foregoing remarks only to particular positions taken by the Examiner, the applicant does not acquiesce with other positions that have not been explicitly addressed. In addition, the applicant's arguments for the patentability of a claim should not be understood as implying that no other reasons for the patentability of that claim exist.

No fees are believed due, however, please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

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